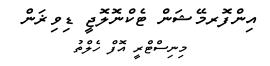
بسسابنالزم الزخيم

Information Technology Division

Ministry of Health



Specification for Micro Desktop

FORM FACTOR	Micro			
MODEL	OptiPlex 3070 Micro (or EQUIVALENT)			
	Intel i5-9500T			
PROCESSOR	9MB /6T/2.2GHz o 3.7GHz / 35W			
	Six (6) Cores			
	8GB			
RAM	DDR4			
	2666MHz			
HARD DISK DRIVE	M.2 256GB PCIe NVMe Class 35 SSD			
VIDEO INTERFACE	Intel Integrated Graphics			
NETWORK INTERFACE	100/1000 Mbps Gigabit Ethernet			
	Qualcomm® QCA9377 Dual-band 1x1 802.11ac Wireless with MU-			
	MIMO			
Вьиетоотн	Bluetooth 4.1 with Internal Antenna			
	6 – USB 3.0 (2 front/ 4 rear)			
INPUT / OUTPUT PORTS	1 RJ-45, 1 DisplayPort, 1 universal Audio Jack, 1 Line-out			
	1 HDMI, 1 VGA (optional) 1 P2/Serial or Video port (optional)			
Mouse	Wireless Mouse (include module or dongle if required)			
KEYBOARD	Wireless Keyboard (include module or dongle if required)			
OPERATING SYSTEM	Windows 10 Professional 64bit (Genuine License)			
DRIVERS	Drivers for the operating system			
MONITOR 1	22" LCD/LED Monitor			
MONITOR 1	(Compatible with the PC)			
WARRANTY	1 Year / parts and Labor (Onsite Service and offsite)			

Specification for Black and White Printer

Printer			
QUANTITY	1		
Printer Type	Monochrome Laser		
PRINTING SPEED	Up to 18ppm (A4) First Print less than 8 seconds		
PRINT BUFFER (RAM)	32mb		
RESOLUTION	600dpi		
MONTHLY DUTY CYCLE	Up to 5,000 pages		
PAPER FEED	Automatic		
PAPER TRAY CAPACITY	150 pages		
PAPER CASSETTE SIZE	A4 and A5		
INTERFACES	USB 2.0		
NETWORK ACCESS	Shareable over LAN through a PC or print server		
DRIVERS All Drivers for: • Windows 10 Pro			

Specification for Layer 2+ Manage Switch

INTERFACES	24 x 1Gb RJ-45 Ports 2x 10Gb sfp+ Uplink Ports (Minimum)		
	2x 10db sip+ Opinik Forts (Williamidin)		
MAX PACKET FORWARDING RATE	Higher than 35 Mpps		
	Supported features:		
FEATURES	Port-based VLAN		
FEATURES	 Loopback Detection 		
	WEB UI		

Specification for Server

QUANTITY	1		
FORM FACTOR	Rack		
	Two (2) Processors		
PROCESSOR	3.0GHz, 12M Cache (Minimum)		
	Octa (8) Cores per processor (Minimum)		
HARD DISK BAY	8 x 2.5" SAS/SATA Hard Drive Hot pluggable		
RAID CONTROLLER	1 Raid controllers 1 GB Memory (Minimum)		
DIMM SLOTS	Minimum 4 DIMM Slots with support of up 32GB for each Slot (Totaling 128 GB)		
RAM	64GB (32GB x 2) (Motherboard must support at least 128 GB of RAM)		
HARD DISK DRIVE	Minimum 4 x 1.0TB SAS/SATA Hard drive Configured for Raid 5		
NETWORK INTERFACE	At least 2x 100/1000 Mbps Gigabit Ethernet		
POWER SUPPLY	At least 2 Power supplies (Active / Active) Hot pluggable and full redundancy. Power Cables		
OPERATING SYSTEM	Genuine Windows Data Center Edition 2016 or Above		
WARRANTY	1 Year / parts and Labor (Onsite Service and offsite)		

Specification for Server Rack

RACK HEIGHT	24 U			
R ACK T YPE	Enclosure			
D EPTH	Greater than 28 inches			
FEATURES	Lockable front and rear doors Lockable and removable side panels Front and rear pairs of vertical rails with numbered square mounting holes (Adjustable in approximately quarter-inch increments) Top and bottom panel cable access openings Grounding Lug (front and back)			
OTHER ITEMS	40 m6 screws 40 m6 cage nuts 40 m6 washers 4 Casters 4 Levelers 2 Keys 1 Power distribution Unit (6 sockets)			